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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the Application of:  
SAVERIO CARL FALCO

CASE NO.: BB1167USDIV

APPLICATION NO.: 10/731,525

GROUP ART UNIT: 1656

FILED: DECEMBER 9, 2003

EXAMINER: NASHED, NASHAAT T.

CONFIRMATION NO.: 5315

CUSTOMER NO.: 23906

FOR: GENES ENCODING SULFATE  
ASSIMILATION PROTEINS

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with 37 C.F.R. §§1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office the information listed on the enclosed PTO/SB/08A and/or PTO/SB/08B forms. A copy of the information, if required, is also enclosed. Consideration of the information is requested under 37 C.F.R. § 1.56 and this information is submitted in accord with the provisions of §1.97(b): within three months of filing the national application under 37 C.F.R. §1.53(d), or entry into the national stage under 37 C.F.R. §1.491, or before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action on the merits after filing a Request for Continued Examination under 37 C.F.R. §1.114.

Benefit of the earlier filing date of U.S. Patent Application No. 09/720,318, filed December 21, 2000, granted as U.S. Patent No. 6,730,827, is claimed under 35 U.S.C. 120 for the above-referenced application and only copies of information not previously made of record are enclosed.

If this Information Disclosure Statement is filed under §1.97(b) but the mailing date hereof is after the mailing of a first Office Action on the merits, the

PTO is authorized to charge the fee set forth in 37 C.F.R. §1.17(p) to Deposit Account No. **04-1928** (E. I. du Pont de Nemours and Company) in order to complete the requirements for consideration of this Information Disclosure Statement.

Respectfully submitted,

*Dawn S. Clark*

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Dated: April 18, 2006  
ENCL.

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Substitute for form 1449A/PTO		<b>Complete If Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/731,525
		Filing Date	December 9, 2003
		First Named Inventor	Saverio Carl Falco
		Group Art Unit	1656
		Examiner Name	Nashed, Nashaat T.
Sheet 1 of 4	Attorney Docket Number	BB1167USDIV	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	1	EMBL SEQUENCE LIBRARY DATA ACCESSION NO: D89631, 07-30-97, SOHLBERG, L.E. ET AL., Nucleotide Sequence of a cDNA encoding a Cys proteinase from germinating bean cotyledons, XP-002129910	
	2	EMBL SEQUENCE LIBRARY DATA ACCESSION NO: O49307, 06-01-98, FEDERSPIEL, N.A. ET AL., XP-002129911	
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	4	FRANK W. SMITH ET AL., PNAS, Vol. 92:9373-9377, 9/1995, Plant members of a family of sulfate transporters reveal functional subtypes, XP-002129913	
	5	HIDEKI TAKAHASHI ET AL., Plant & Cell Phys., vol. 39 suppl, pp.S148, 1998, Antisense repression of sulfate transporter in transgenic Arabidopsis thaliana plants, XP-002121793	
	6	HIDEKI TAKAHASHI ET AL., PNAS, vol. 94:11102-11197, 9/1997, Regulation of sulfur assimilation in higher plants: A sulfate transporter induced in sulfate-starved roots plays a central role in Arabidopsis thaliana	
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	11	ANTJE PRIOR ET AL., Biochimica et Biophysica Acta, vol. 1430:25-38, 1999, Structural and kinetic properties of adenylyl sulfate reductase from Catharanthus roseus cell cultures	

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		First Named Inventor	Saverio Carl Falco
		Group Art Unit	1658
		Examiner Name	Nashed, Nashaat T.
		Attorney Docket Number	BB1167USDIV
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	12	SENTA HEISS ET AL., Plant Mol. Biol., vol. 39:847-857, 1999, Cloning sulfur assimilation genes of Brassica juncea L.: cadmium differentially affects the expression of a putative low-affinity sulfate transporter and isoforms of ATP sulfurylase and APS reductase	
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	21	CHRISTINE BORK ET AL., Gene, vol. 212:147-153, 1998, Isolation and characterization of a gene for assimilatory sulfite reductase from Arabidopsis thaliana	

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		Group Art Unit	1656
		Examiner Name	Nashed, Nashaat T.
		Attorney Docket Number	BB1187USDIV
Sheet	3	of	4

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	22	ANDREAS BRUHL ET AL., Biochimica et Biophysica Acta, vol. 1295:119-124, 1996, A cDNA clone from Arabidopsis thaliana encoding plastidic ferredoxin: sulfite reductase	
	23	DATABASE WPI, DERWENT PUBL., LTD., JP-62 455773, MITSUBISHI CORP., 8/8/94, XP-002121814	
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	26	SAITO, K., Stress Responses of Photosynthetic organisms, 1996, pgs. 215-226, Molecular Aspects of Sulfur Assimilation and Acclimation to Sulfur Supply in Plants	
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	29	YOO, B. ET AL., Plant Phys. suppl., vol. 114:267, 1997, Regulation of recombinant soybean serine acetyltransferase by CDPK	
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	32	MICHAEL A. ROBERTS ET AL., Plant Molecular biology, vol. 30:1041-1049, 1996, Cloning and characterisation of an Arabidopsis thaliana cDNA clone encoding an organellar isoform of serine acetyltransferase	
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	34	EMBL SEQUENCE DATA LIBRARY ACCESSION NO: A1637166, 04-27-99, WALBOT, V., Maize ESTs from various cDNA libraries sequenced at Stanford University, XP-002123195	
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	40	KEIKO YONEKURA-SAKAKIBARA ET AL., J. Biochem., vol. 24:616-621, 1998, Molecular Characterization of Tobacco Sulfite Reductase: Enzyme Purification, Gene Cloning, and Gene Expression Analysis	
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	44	GENBANK Database Accession No. AAB05871.1, NCBI GI No. 1488043, PAPS-reductase-like protein [Catharanthus roseus], 2 November 1999	
	45	GENBANK Database Accession No. AAB05871.2, NCBI GI No. 12831474, PAPS-reductase-like protein [Catharanthus roseus], 15 February 2001	

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